

14321.89

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/587446

INTERNATIONAL APPLICATION NO. PCT/JP2005/01410	INTERNATIONAL FILING DATE August 1, 2005	PRIORITY DATE CLAIMED August 2, 2004
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TITLE OF INVENTION

FLAT OPTICAL CIRCUIT, DESIGN METHOD FOR WAVE MOTION PROPAGATING CIRCUIT AND COMPUTER PROGRAM

APPLICANT(S) FOR DO/EO/US

Takashi Saida	Toshikazu Hashimoto	Hiroshi Takahashi	Senichi Suzuki	Motohaya Ishii
Yohei Sakamaki	Tsutomu Kitoh	Masahiro Yanagisawa	Yasuhiro Hida	Munehisa Tamura

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. A **FIRST** preliminary amendment.
16. A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. A substitute specification.
18. A power of attorney and/or change of address letter.
19. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. Express Mail Label No. EV 825 902 507 US

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole)</td> <td>RATE</td> <td colspan="2"></td> </tr> <tr> <td>193 - 100 =</td> <td>93 /50 =</td> <td>2</td> <td>x \$250.00</td> <td>\$ \$500.00</td> <td></td> </tr> <tr> <td colspan="6">Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> <td colspan="2"></td> </tr> <tr> <td>Total claims</td> <td>47 - 20 =</td> <td>27</td> <td>x \$50.00</td> <td>\$ \$1,350.00</td> <td></td> </tr> <tr> <td>Independent claims</td> <td>9 - 3 =</td> <td>6</td> <td>x \$200.00</td> <td>\$ \$1,200.00</td> <td></td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00</td> <td>\$ \$0.00</td> <td></td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ \$3,950.00</td> <td></td> </tr> <tr> <td colspan="6"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.</td> </tr> <tr> <td colspan="6">SUBTOTAL = \$ \$3,950.00</td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).</td> </tr> <tr> <td colspan="6">TOTAL NATIONAL FEE = \$ \$3,950.00</td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$0.00</td> </tr> <tr> <td colspan="6">TOTAL FEES ENCLOSED = \$ \$3,950.00</td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <td>Amount to be</td> <td>\$</td> </tr> <tr> <td>Amount to be</td> <td>\$</td> </tr> </table> </td> </tr> </table>						The following fees have been submitted:	CALCULATIONS	PTO USE	24. <input checked="" type="checkbox"/> Basic national fee	\$ \$300		25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article	\$ \$200.00		All other situations	\$0		All other situations	\$200		26. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)...	\$ \$0		Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority.....	\$ \$100		International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB.....	\$ \$400		All other situations	\$ \$500		TOTAL OF 24, 25 and 26 =	\$ \$900.00		<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(l)). 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PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

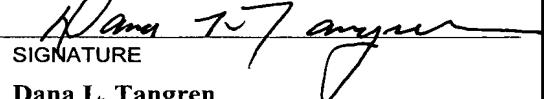
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- a. A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-3178. A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Dana L. Tangren
WORKMAN NYDEGGER


SIGNATURE

Dana L. Tangren

NAME

37,246

REGISTRATION NUMBER

July 25, 2006

DATE

022913

PATENT TRADEMARK OFFICE
CUSTOMER NO.

AP20 Rec'd PCT/US/1025 JUL 2006

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)				Docket No. 14321.89	
Applicant(s): Takashi Saida et al.					
Serial No.	Filing Date	Confirmation No.	Customer No. 022913	Examiner	Group Art Unit
Invention: FLAT OPTICAL CIRCUIT, DESIGN METHOD FOR WAVE MOTION PROPAGATING CIRCUIT AND COMPUTER PROGRAM					

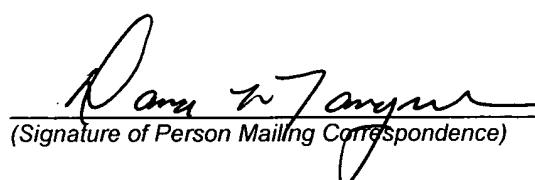
I hereby certify that the following are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop: PCT, Commissioner for Patents, PO Box 1450, Arlington, Virginia 22313-1450.

DATED this 25th day of July 2006.

- Transmittal Letter concerning filing under 35 USC § 371 (3 pages) (in duplicate)
- Front page of PCT/JP2005/014010
- Preliminary Amendment (15 pages)
- Application Data Sheet (7 pages)
- Verification of Translation
- English translation of PCT/JP2005/014010 with drawings (179 pages)
- Copy of International Search Report (10 pages)
- Form PTO-2038 submitting Credit Card Payment in the amount of \$3,950
- Postcard

DANA L. TANGREN

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(Signature of Person Mailing Correspondence)

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